

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	15	(bumps WITH (disc disk)) AND 324/210-212.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/30 15:22
L2	1	(GMR (giant ADJ2 (magnetoresistive "magneto-resistive")))) AND ((pinned fixed) ADJ2 layer) AND (bumps WITH (disc disk)) AND magnet	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/30 15:23
L3	2173	(bumps WITH (disc disk))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/30 15:23
L4	24	(GMR (giant ADJ2 (magnetoresistive "magneto-resistive")))) AND ((pinned fixed) ADJ2 layer) AND 324/210-212. ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/30 15:23
L5	21	(GMR (giant ADJ2 (magnetoresistive "magneto-resistive")))) AND magnet AND 324/210-212.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/30 15:25
L6	207	(GMR (giant ADJ2 (magnetoresistive "magneto-resistive")))) AND (((pinned fixed) ADJ2 layer) SAME (inversion invers\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/30 15:32
L7	6	360/324.11.ccls. AND (bump WITH (disk disc))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/30 15:51
L8	557	360/324.11.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/30 15:51

## EAST Search History

L9	83	((GMR (giant ADJ2 (magnetoresistive "magneto-resistive")))) (pinned fixed ADJ2 layer) AND (bumps WITH (disc disk))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/30 15:52
L10	49	((GMR (giant ADJ2 (magnetoresistive "magneto-resistive")))) (fixed ADJ2 layer) AND (bumps WITH (disc disk))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/30 15:52
L11	334	(GMR (giant ADJ2 (magnetoresistive "magneto-resistive")))) AND (((pinned fixed) ADJ2 layer) SAME (inversion invers\$3 invert\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/30 15:53
L12	1	(GMR (giant ADJ2 (magnetoresistive "magneto-resistive")))) AND (fixed ADJ2 layer) AND (bumps WITH (disc disk)) AND magnet	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/30 15:55
L13	67	360/25,31,75.ccls. AND ((pinned fixed) WITH layer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/30 15:56
L14	9907	360/25,31,75.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/30 15:57
L15	95	360/25,31,75.ccls. AND (bump WITH (disc disk))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/30 15:57

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L16	23	(US-20050056346-\$ or US-20050190509-\$ or US-20050262922-\$ or US-20060066299-\$ or US-20060022668-\$ or US-20020063984-\$ or US-20030210488-\$ or US-20020030937-\$).did. or (US-6275028-\$ or US-6797130-\$ or US-5696445-\$ or US-5945197-\$ or US-6400519-\$ or US-6295175-\$ or US-6373647-\$ or US-6965229-\$ or US-5952563-\$ or US-6128160-\$ or US-5998993-\$ or US-6140814-\$).did. or (JP-2001006133-\$ or JP-2006040504-\$).did. or (US-6314814-\$).did.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/11/30 15:58
L17	12	L16 AND (fixed pinned)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/11/30 15:58
L18	1	324/210.ccls. AND (bump).clm.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/11/30 15:58
L19	5	324/210-212.ccls. AND (bump).clm.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/11/30 15:59
L20	1	324/210-212.ccls. AND (bump AND invers\$4).clm.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/11/30 15:59